

Datasheet for ABIN3031225  
**anti-HDAC2 antibody (AA 410-439)**



[Go to Product page](#)

7 Images

## Overview

Quantity:	0.4 mL
Target:	HDAC2
Binding Specificity:	AA 410-439
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HDAC2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS)

## Product Details

Immunogen:	A portion of amino acids 410-439 from the human protein was used as the immunogen for this HDAC2 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Chicken
Purification:	Antigen affinity purified

## Target Details

Target:	HDAC2
Alternative Name:	HDAC2 ( <a href="#">HDAC2 Products</a> )

## Target Details

Background:	This gene product belongs to the histone deacetylase family. Histone deacetylases act via the formation of large multiprotein complexes, and are responsible for the deacetylation of lysine residues at the N-terminal regions of core histones (H2A, H2B, H3 and H4). This protein forms transcriptional repressor complexes by associating with many different proteins, including YY1, a mammalian zinc-finger transcription factor. Thus, it plays an important role in transcriptional regulation, cell cycle progression and developmental events.
UniProt:	<a href="#">Q92769</a>
Pathways:	<a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Negative Regulation of intrinsic apoptotic Signaling</a> , <a href="#">SARS-CoV-2 Protein Interactome</a> , <a href="#">The Global Phosphorylation Landscape of SARS-CoV-2 Infection</a>

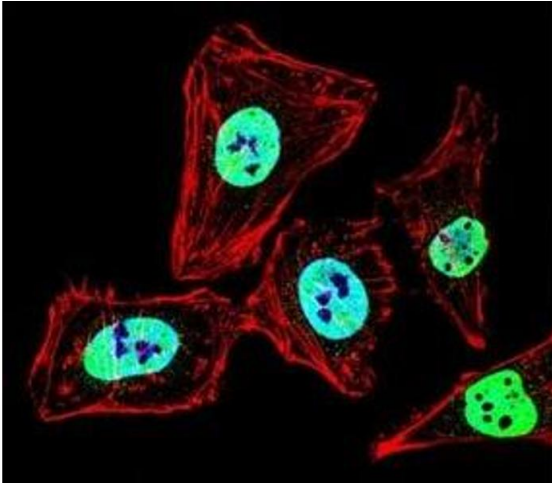
## Application Details

Application Notes:	Titration of the HDAC2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100,Flow Cytometry: 1:10-1:50,Immunofluorescence: 1:10-1:50
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Restrictions:	For Research Use only
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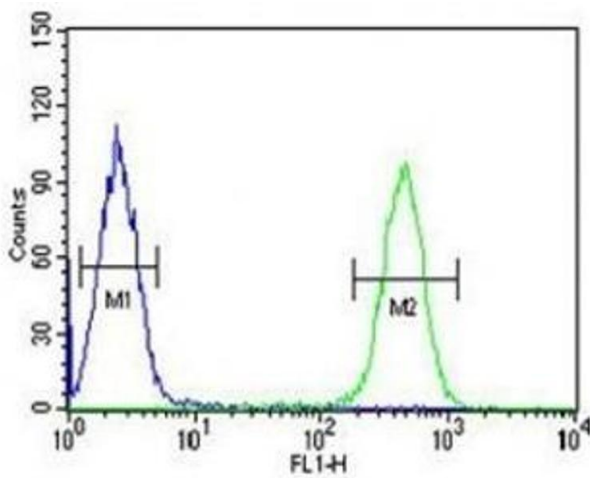
## Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the HDAC2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



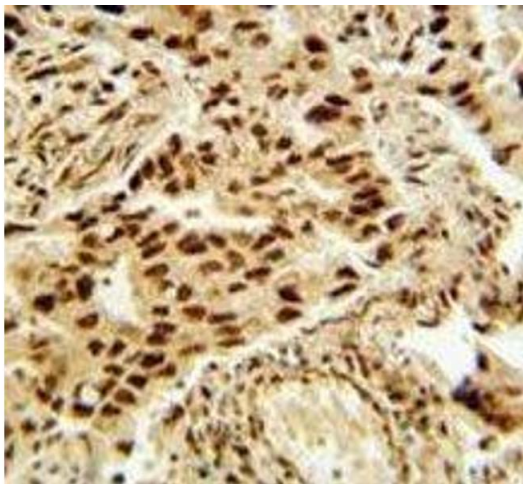
#### Immunofluorescence

**Image 1.** Fluorescent confocal image of HeLa cell stained with HDAC2 antibody at 1:25. HDAC2 immunoreactivity is localized to the nucleus.



#### Flow Cytometry

**Image 2.** HDAC2 antibody flow cytometric analysis of K562 cells (right histogram) compared to a negative control (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



#### Immunohistochemistry

**Image 3.** HDAC2 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN3031225.